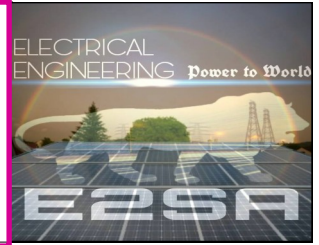




# VIDYUT

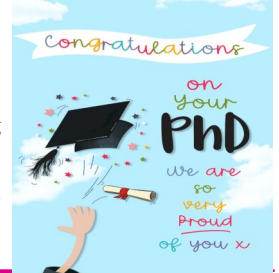
## ELECTRICAL ENGINEERING DEPARTMENT DEPARTMENTAL NEWS LETTER (2022-23) VOLUME II



### DEPARTMENTAL HEADLINE



Mr. Vijaykumar S. Biradar working as Asst. Prof. & Head of the Electrical Engineering Department has successfully completed his Ph.D. at Govt. College



#### Special points of interest:

- DEPT. HEADLINE
- PUBLISHED SCOPUS INDEXED JOURNAL
- UNIVERSITY RANKERS
- HOD'S MESSAGE
- GUEST / EXPERT LECTURE
- IIC ACTIVITY
- 9th ALUMNI MEET
- TG AT HOME
- PRAYOG -2K23 AND UGCON
- INDUSTRIAL VISITS
- REMARKABLE PLACEMENTS
- TOPPERS LIST
- STUDENTS AND STAFF ACIEVEMENTS
- GROUP PHOTO @ AY BATCH 2022-23
- FAREWELL

### PUBLISHED SCOPUS INDEXED JOURNAL

*Design of Energy-Efficient SM Controller for Photovoltaic System with DC-DC Converter*

Section A-Research Paper  
ISSN 2063-5346



#### Design of Energy-Efficient SM Controller for Photovoltaic System with DC-DC Converter

Dr. Dharmesh J. Pandya  
Associate Professor, Department of Electrical Engineering, Atmiya University, Rajkot, Gujarat  
Vijaykumar S Biradar  
Assistant Professor & HOD, Department of Electrical Engineering, N B NavaleSinhgad College of Engineering, Solapur, Maharashtra

Prof. V. S. Biradar, HOD of Electrical Department, NBNSCOE, has published his technical paper "Design of Energy – Efficient SM controller for photovoltaic system with DC to DC Converter in SCOPUS indexed Journal European Chemical Bulletin 2023, 12 (Special-issue 4) with ISSN -2063-5346

### UNIVERSITY RANKERS

Sinhgad Institute  
N B NAVALE SINHGAD COLLEGE OF ENGINEERING,  
Kegaon - Solapur 413255

Prof V S Biradar (9422941800) Institute Code : EN 6640

Department of Electrical Engineering  
**Congratulations !!**  
To our Pride  
**University Rankers**

Third Rank (87.05%)	Second Rank (86.75%)	Fourth Rank (84.62%)	Sixth Rank (84.00%)

Third Year 2022-23 Students  
PAH Solapur University Solapur

Wishing you victory & good luck in all your future endeavors!

Think Placement Think Sinhgad !!

Sinhgad Institute  
N B NAVALE SINHGAD COLLEGE OF ENGINEERING,  
Kegaon - Solapur 413255

Prof V S Biradar (9422941800) Institute Code : EN 6640

Department of Electrical Engineering  
**Congratulations !!**  
To our Pride  
**University Rankers**

Third Rank (86.88%)	Fifth Rank (86.25%)

Second Year 2022-23 Students  
PAH Solapur University Solapur

Wishing you victory & good luck in all your future endeavors!

Think Placement Think Sinhgad !!



#### HOD's Message



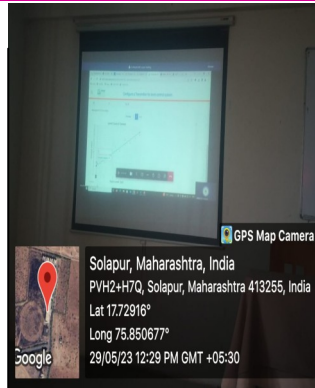
Dr. V. S. Biradar

I take the privilege to welcome you all on the publication of **Volume-II (AY 2022-23)** of newsletter "VIDYUT", to the **Electrical Engineering Department at N B Navale Sinhgad College of Engineering, Solapur**. The department has well qualified staff with expertise in Power Systems, Control Systems, Power Electronics and Drives, Electrical Machines, Electronics, Systems & Automation and Computer Applications, assisted by skilled supporting staff. The department seeks to combine excellence in education and research with a view to survive in the industry. Our Laboratories have been very well established not only to cover complete syllabus but to motivate students to learn beyond the syllabus which definitely develops complete knowledge of the subject and develop skill sets of students to become promising engineers in future. The core values of the department help the students to develop their overall personality and make them

## National level Workshop



Session Pic 1



Session Pic 2

Online One Day , “National level Workshop on Use of VLAB” ‘The Chief guest for Hon. Dr. Sudhir D. Agashe have given Inaugural speech and given the students guidance regarding the importance of V labs use and elaborated the objectives of the theme of vlab which is being apprecitaeted by Hon Prime Minister Mr Narendra Modi on 29<sup>th</sup> May 2023. Total 73 students from Electrical Department participated in the session. It was co-ordinated by Prof. M.T Shinde.

### GUEST LECTURE



Session photo

Guest Lecture on ‘Preparation for GATE Exam was conducted By Mr Raghvedra Kapase (Jr. Engg MSETC Latur) on 3ed May 2023 for SY student. 49 students has attended the Expert lecture The event was motivated by HOD Dr V S Biradar and co ordinate by Prof. A. A. Kotmale and Prof S. S. Kulkarni

### EXPERT LECTURE



Session Photo

Expert Lecture on ‘Preparation for Government jobs’ was conducted By Mr Raghvedra Kapase (Jr. Engg MSETC Latur) on 9th May 2023 for TY and Btech student.

Total 53 students has attended the Expert lecture The event was motivated by HOD Dr V S Biradar and coordinated by Prof S. S. Kulkarni

### IIC ACTIVITY

**N B Navale Singhad College of Engineering, Solapur**  
Approved by DTE, ACTE & affiliated to Pimpri Chinchwad University, Solapur  
Accredited by NAAC with 'A' Grade

**DEPARTMENT OF ELECTRICAL ENGINEERING**  
IN ASSOCIATION WITH  
**INSTITUTE INNOVATION COUNCIL IIC.**

**ORGANISING WORKSHOP FOR S.Y.T.Y ELECTRICAL ENGINEERING STUDENTS**

**ON Intellectual Property Rights (IPR) and IP Management for Start up**

**Key Speaker**  
**Prof. Shashikant Hippargi**

**TUESDAY**  
30 MAY, 2023

**TIME**  
10:00 AM ONWARD

**VENUE:**  
ELECTRICAL ENGINEERING DEPARTMENT SEMINAR HALL

Prof. S. S. Kulkarni Electrical Dept. IC Co-ordinator	Prof. V. S. Biradar HEAD Electrical Dept.	Prof. N. H. Naikwadi Vice President, IIC	Prof. S. T. Jagtap President, IIC
Dr. R. T. Vyavahare Vice - Principal (Academic)	Dr. S. M. Jagade Vice - Principal (Administrative)	Dr. S. D. Nawale Principal	Hon. Sanjay -S. Navale Campus Director Kargum Solapur

Session Flyer



Session Photo

One day workshop on “Intellectual Property Rights (IPR) and IP Management for start up” was conducted by Prof Shashikant S Hippargi under IIC activity to Electrical Engg. Dept. on 30th may 2023. How IP can provide benefit from their work or from their starting investment and control over how their property rights for innovations are used in start up process . Total 63 students has attended the workshop. Coordinator for event– Prof S.S. Kulkarni

### 9TH ALUMNI MEET



Photos for 9th Alumni Meet

9th Alumni meet was conducted on 11th March 2023 to have a interaction and guidance session for current student to gain real time experience from alumni student. This time discussion was done regarding to their current status and current industrial application was done. Most of the discussion part was **Electrical Vehicle**, and already this subject is introduced in TY Electrical curriculum.

### TG AT HOME



## PRAYOG 2K23 AND UGCON



UGCON Presentations

PRAYOG 2K23 was held on 9<sup>th</sup> June, 2023. Electrical Engineering department organized platform for Project exhibition of students innovative idea's into projects in -1) Mini Hardware Project for TY Student. For this event Ms. Mali Apeksha and group grabbed first prize. Mr. Bhoi Sandip and group grabbed second prize. 2) Project / UGCON for Btech final year student. Mr. Nagnath Hakke and group grabbed first prize. Mr. Shivraj Mali and group grabbed second prize

## INDUSTRIAL VISITS



Industrial Visit at Spray Tech

Educational Industrial Visit organized at "220KV Bale Substation Solapur".

Total 48 Students was present for the visit on 02nd June 2023

Prof M T Shinde and Prof R P Landage has coordinated for this Visit



Industrial Visit at Spray Tech

Educational Industrial Visit organized at "Spraytech System (India) Pvt Ltd"

Total 40 Students was present for the visit on 03ed March 2023

Prof B N Bedre ,Prof S S Kulkarni and Prof R P Landage has coordinated

## REMARKABLE PLACEMENTS

**Sinhgad Institute**  
N B NAVALE SINHGAD COLLEGE OF ENGINEERING,  
Kegaon - Solapur 413255

Prof V S Biradar (9422941800) Institute Code : EN 6640

Department of Electrical Engineering  
**Congratulations !!**  
To our Batch 2022-23 Students

Omkareshwar Bikkad

Math Daneshwari

Pakhare Sushant

Wavare Supriya

Shinde Avanti

Hakke Nagnath

Mali Shivraj

FOR  
**Vishwajeet Capacitors**  
Wishing you victory & good luck in all your future endeavors!  
Visit : www.sinhgadsolapur.org

**Sinhgad Institute**  
N B NAVALE SINHGAD COLLEGE OF ENGINEERING,  
Kegaon - Solapur 413255

Prof. B. N. Bedre (9661025583) Institute Code : EN 6640

Department of Electrical Engineering  
**Congratulations !!**  
To our Batch 2022-23 Students

Math Daneshwari

Dhaware Akshay

Wavare Supriya

FOR  
**MSc Transformers**  
Wishing you victory & good luck in all your future endeavors!

Follow us on : Nbscoe Electrical Dept  
Think Placement Think Sinhgad !! Visit : www.sinhgadsolapur.org

**सोलापूर सिंघगड अभियांत्रिकीच्या इलेक्ट्रिकल विभागातील U विद्यार्थ्यांची ' विश्वजीत कॅंपेसिटरस ' या नामांकित कंपनीमध्ये निवड**

दै. तुफान क्रांती/सोलापूर: केगांव येथील एन. बी. नवले सिंघगड अभियांत्रिकी महाविद्यालयाला इलेक्ट्रिकल विभागातील ७ विद्यार्थ्यांची 'विश्वजीत कॅंपेसिटरस' या नामांकित कंपनीमध्ये निवड झाली आहे. यामध्ये ऑकारेश्वर बिकड, नवनाथ हाके, शानेश्वरी मट, सुशांत पाखरे, अवंती शिंदे, शिवराज माळी, सुप्रिया चावरे या इलेक्ट्रिकल विभागातील विद्यार्थ्यांची निवड झाली आहे. विश्वजीत कॅंपेसिटरस ही कंपनी शंट कॅंपेसिटर, उच्च व्होल्टेज शंट कॅंपेसिटर, शंट पांवर कॅंपेसिटर, २५ KVAR शंट कॅंपेसिटर, उच्च व्होल्टेज शंट कॅंपेसिटर, सबस्टेशन कॅंपेसिटर बँक, पांवर कॅंपेसिटर, सिंगल आणि थ्री फेज पांवर कॅंपेसिटर, १ फेज पांवर कॅंपेसिटर, इत्यादी उपकरणे उत्पादित करते. सिंघगड मध्ये विद्यार्थ्यांच्या सर्वांगीण विकासासाठी परिश्रम घेतले जाणारे व प्लेसमेंटसाठी आवश्यक त्या गोष्टीचे तज्ज्ञ प्राध्यापकांकडून मार्गदर्शन केले जाते. सिंघगड संस्थेमध्ये शिक्षण घेतलेल्या विद्यार्थ्यांना जगातील नामांकित कंपनीमध्ये सहजरित्या प्लेसमेंटची संधी प्राप्त होते. विद्यार्थ्यांचा सर्वांगीण विकासासाठी महाविद्यालय नेहमीच विविध उपक्रम राबवत असते. या यशाबद्दल सिंघगड संस्थेचे सहसचिव संजय नवले, प्राचार्य डॉ. शंकर नवले, उपप्राचार्य डॉ. रवींद्र व्यवहारे व डॉ. शेखर जगदे, ट्रेनिंग अँड प्लेसमेंट ऑफिसर प्रा. विकास मराठे, इलेक्ट्रिकल विभागप्रमुख प्रा. विजय बिरादार, या प्लेसमेंट डुअल्टिसाठी इलेक्ट्रिकल विभागाचे ट्रेनिंग अँड प्लेसमेंट समन्वयक प्रा. बालाजी बेद्रे यांनी विशेष परिश्रम घेतले. तसेच यशस्वी विद्यार्थ्यांचे शिक्षक आणि शिक्षकेतर कर्मचाऱ्यांनी अतिनंदन केले.

CONGRATULATIONS

CONGRATULATIONS

## TOPPERS LIST

BE	Name of the Student	% Marks (CBCS)	TY Btech	Name of the Student	% Marks (CBCS)	SY Btech	Name of the Student	% Marks (CBCS)
1 <sup>st</sup>	Ippayakal Prabhakar S.	83.94 <small>(University Rank-3rd)</small>	1 <sup>st</sup>	Ms Naiknaware Madhuri S.	87.00 % <small>(University Rank-1st)</small>	1 <sup>st</sup>	Ms. Dudhbhate Sujata B.	86.88% <small>(University Rank-3rd)</small>
2 <sup>nd</sup>	Patil Sanmeet S.	83.75 <small>(University Rank-4th)</small>	2 <sup>nd</sup>	Ms Bhosale Pratiksha M.	86.75% <small>(University Rank-2nd)</small>	2 <sup>nd</sup>	Mr. Jadhavar Pragat S	86.25% <small>(University Rank-5th)</small>
3 <sup>rd</sup>	Survase Rushikesh B.	83.00 <small>(University Rank-8th)</small>	3 <sup>rd</sup>	Mr Lomate Abhishek A.	84.63% <small>(University Rank-4th)</small>	3 <sup>rd</sup>	Ms. Gaikwad Mohini B	81.25%
4 <sup>th</sup>	Patil Samarth B.	82.25 <small>(University Rank-10th)</small>	4 <sup>th</sup>	Ms Mali A peksha	84.50% <small>(University Rank-6th)</small>	4 <sup>th</sup>	Ms Pawar Namrata M	79.63%
5 <sup>th</sup>	Sarwade Mohit M.	82.19	5 <sup>th</sup>	Mr Salar Md Arshad Altaf	80.75%	5 <sup>th</sup>	Ms Choudhari Saniya S	78.13%

### STUDENTS ACHIEVEMENTS

- **Mr. Sagar H Karmal** has Successfully completed a 12 week NPTEL course in subject Microprocessor and Microcontroller.
- **Ms Mrunal Survase** won prize for Singing Competition in *UMANG 2k23*
- **Mr Uday Ayawale** got prize for Mimicry Competition in *UMANG 2k23*
- **Mr Md Arshad Salar** Achieved A Grade in course Data structure and object oriented programming.



Group Photo with final year students @ AY 2022-23 Batch

### STAFF ACHIEVEMENTS

- **Prof V. S. Biradar** has successfully completed PhD course in Electrical Engineering
- **Prof V. S. Biradar** Worked as **LIC Member** in respect of official assignment of Punyashlok Ahilyadevi Holkar Solapur University Solapur
- **Prof V. S. Biradar** Worked as **Subject Expert** for Electrical and Electronics & Telecommunication Engineering in the Local Selection Committee for the selection of Professor/Associate Professor/Assistant Professor at Shri Siddheshwar Women's College of Engineering Solapur
- **Prof V. S. Biradar , Prof A.A. Kotmale, Prof. B. N. Bedre, Prof R. P. Landage, Prof. S. S. Kulkarni, Prof M. T. Shinde** Presented papers during International Conference on Emerging Trends in Automation, Communication & Security (ICETACS-2023 )

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### VISION

- To Blossom globally competent Electrical Engineers to serve needs and challenges of society through technical excellence”

### GOALS

- To establish State of the art research facilities in the department
- To become globally recognized centre of excellence in fields of Electrical Engineering
- To undertake research and development works in leading technologies and Industries
- To set up the training infrastructure for conducting value added training programs and enhance the employability of students
- To strengthen Industry-Institute Interaction
- To provide technical support in areas of social relevance

### MISSION

- To provide quality education and create research oriented culture by implementing innovative teaching and learning practices
- To develop successful professional engineers and entrepreneurs with values and ethics



Farewell function @10 th june 2023— E2SA Team Activity





